



**(43) International Publication Date**  
**28 July 2005 (28.07.2005)**

**PCT**

**(10) International Publication Number**  
**WO 2005/069520 A1**

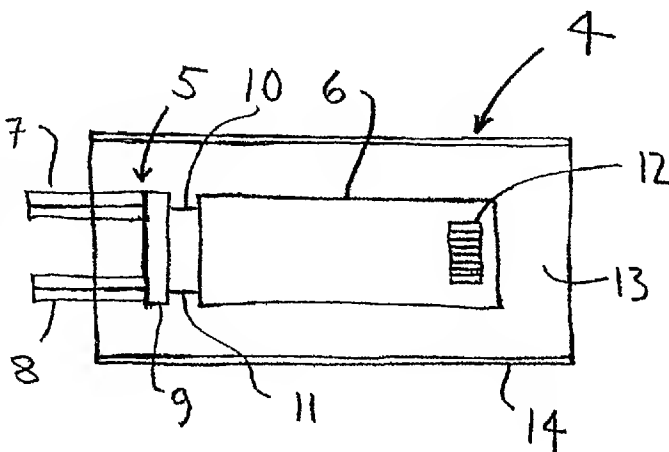
- (51) **International Patent Classification<sup>7</sup>:** **H04J 3/04**, 3/16, H04Q 11/04, H04L 12/56
- (21) **International Application Number:**  
PCT/EP2004/053482
- (22) **International Filing Date:**  
15 December 2004 (15.12.2004)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
0400182.2 7 January 2004 (07.01.2004) GB
- (71) **Applicant (for all designated States except US):** **MARCONI UK INTELLECTUAL PROPERTY LIMITED** [GB/GB]; New Century Park, P.O. Box 53, Coventry West Midlands CV3 1HJ (GB).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **BARKER, Andrew James** [GB/GB]; 8 Manor Avenue, Attenborough Nottinghamshire NG9 6BP (GB). **LALANI, Alnashir** [GB/GB]; 92 Wilsthorpe Road, Breaston Derbyshire DE72 3EB (GB). **DEVANEY, Brendan** [IE/GB]; 45 Swallow Drive, Bingham Nottinghamshire NG13 8QA (GB).
- (74) **Agents:** **HOSTE, Colin et al.**; Marconi Intellectual Property, Crompton Close, Basildon Essex SS14 3BA (GB).
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

- (54) Title:** MODULE FOR NETWORK INTERFACE CARD



**(57) Abstract:** A telecommunications interface network card, such as the type which is inserted into a suitable slot in a rack forming a network node, to provide an interface to the node for telecommunications traffic entering and leaving the node, typically carries a receptacle to receive a plugable module which contains a laser and receiver as optical interface, allowing one card to be used with a number of optical interfaces, to avoid the need for a range of cards to be produced, each dedicated to one particular type of traffic, for example, a particular distance and data rate. The invention provides a module which is compatible with existing optical modules, but which carries an electrical interface.